#B BA 76/03



Docket No.: M4065.0787/P787

(PATENT)

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Anders Andersson, et al.

Application No.: 09/550,816

Application 140.. 07/ 550,610

Filed: April 18, 2000

For: ACTIVE PIXEL SENSOR WITH

REDUCED FIXED PATTERN NOISE

Group Art Unit: 2721

Examiner: Not Yet Assigned

RECEIVED

JAN 2 4 2003

Technology Center 2800

REVOCATION OF POWER OF ATTORNEY
AND NEW POWER OF ATTORNEY

Commissioner for Patents Washington, DC 20231

Dear Sir:

The undersigned, a duly authorized representative of Micron Technology, Inc. and current assignee of this application as demonstrated by the attached copy of the assignment, hereby revokes all Powers of Attorney previously given, and hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected herewith:

Gary M. Hoffman	26,411	Ryan H. Flax	48,141	Ellen S. Tao	43,383
Thomas J. D'Amico	28,371	Richard LaCava	41,135	Gary L. Veron	39,057
Donald A. Gregory	28,954	John C. Luce	34,378	Steven I. Weisburd	27,409
James W. Brady, Jr.	32,115	Peter McGee	35,947	Peter Zura	48,196
Jon D. Grossman	32,699	Edward A. Meilman	24,735	Jeremy A. Cubert	40,399
Mark J. Thronson	33,082			Gianni Minutoli	41,198
Eric Oliver	35,307	William E. Powell, III	39,803	Michael Bergman	42,318
Laurence E. Fisher	37,131	Steven S. Rubin	43,063	Salvatore P. Tamburo	45,153
Ian R. Blum	42,336	Michael J. Scheer	34,425	Peter A. Veytsman	45,920
Gabriela I. Coman	50,515	Stephen A. Soffen	31,063	Christopher S. Chow	46,493

Docket No.: M4065.0787/P787 Application No.: 09/550,816

Catherine A. Ferguson

40,877

Christopher M. Tanner

41,518

All attorneys of the law firm Dickstein Shapiro Morin & Oshinsky LLP and also, listed as follows:

Charles B. Brantley, III

38,086

Kevin D. Martin

37,882

Russell Slifer

39,838

Michael L. Lynch

30,871

David J. Paul

34,692

attorneys/agents of Micron Technology, Inc. as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Address all communications to:

Thomas J. D'Amico DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP 2101 L Street NW Washington, DC 20037-1526 (202) 785-9700

For: Micron Technology, Inc.

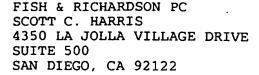
# RECEIVED

JUN 10 2002

MAY 31, 2002

PTAS FISH & RICHARDSON, P.C. SAN DIEGO

Commissioner for Trademarks Arlington, VA 22202-3513 www.uspto.gov





UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/29/2002

REEL/FRAME: 012745/0385

NUMBER OF PAGES: 14

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RECEIVED

DOC DATE: 11/21/2001

JAN 2 4 2003

Technology Center 2600

ASSIGNEE:

MICRON TECHNOLOGY, INC.

8000 S. FEDERAL WAY

PHOTOBIT CORPORATION

BOISE, IDAHO 83706-9632

SERIAL NUMBER: 09025079

PATENT NUMBER:

FILING DATE: 02/17/1998

ISSUE DATE:

SERIAL NUMBER: 09031145

PATENT NUMBER:

FILING DATE: 02/26/1998

ISSUE DATE:

SERIAL NUMBER: 09038888

PATENT NUMBER:

FILING DATE: 03/11/1998

ISSUE DATE:

SERIAL NUMBER: 09066506

PATENT NUMBER:

FILING DATE: 04/23/1998

ISSUE DATE:

SERIAL NUMBER: 09183389 FILING DATE: 10/29/1998

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09209982 FILING DATE: 12/09/1998

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09211718 FILING DATE: 12/14/1998

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09250623 FILING DATE: 02/16/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09251758 FILING DATE: 02/18/1999
PATENT NUMBER: 6365886 FILING DATE: 04/02/2002

SERIAL NUMBER: 09252428 FILING DATE: 02/18/1999
PATENT NUMBER: 6388241 FILING DATE: 05/14/2002

SERIAL NUMBER: 09264501 FILING DATE: 03/08/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09267503 FILING DATE: 03/12/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09274739 FILING DATE: 03/23/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09281358 FILING DATE: 03/30/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09281361 FILING DATE: 03/30/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09284765 FILING DATE: 06/17/1999
PATENT NUMBER: 6247873 ISSUE DATE: 06/19/2001

SERIAL NUMBER: 09298306 FILING DATE: 04/23/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09299066 FILING DATE: 04/23/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09354930 FILING DATE: 07/15/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09359056 FILING DATE: 07/21/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09359065 FILING DATE: 07/21/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09359068 FILING DATE: 07/21/1999

· PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09360294 FILING DATE: 07/22/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09397381 FILING DATE: 09/16/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09418961 FILING DATE: 10/14/1999 PATENT NUMBER: 6388242 ISSUE DATE: 05/14/2002

SERIAL NUMBER: 09429882 FILING DATE: 10/29/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09430625 FILING DATE: 10/29/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09430734 FILING DATE: 10/29/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09442871 FILING DATE: 11/18/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09449194 FILING DATE: 11/24/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09459720 FILING DATE: 12/13/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09470284 FILING DATE: 12/22/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09483362 FILING DATE: 01/14/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09505645 FILING DATE: 02/16/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09507565 FILING DATE: 02/18/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09516433 FILING DATE: 03/01/2000 PATENT NUMBER: 6388243 ISSUE DATE: 05/14/2002

FILING DATE: 03/07/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09522286 FILING DATE: 03/09/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09519930

SERIAL NUMBER: 09522287 FILING DATE: 03/09/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09523127 FILING DATE: 03/10/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09527422 FILING DATE: 03/17/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09538043 FILING DATE: 03/29/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09550816 FILING DATE: 04/18/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09553980 FILING DATE: 04/20/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09590785 FILING DATE: 06/08/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09595592 FILING DATE: 06/15/2000 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09596757 FILING DATE: 06/15/2000

SERIAL NUMBER: 09596757 FILING DATE: 06/15/2000 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09648403 FILING DATE: 08/24/2000 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09653527 FILING DATE: 08/31/2000 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09681639 FILING DATE: 05/15/2001 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09683156 FILING DATE: 11/27/2001 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09687266 FILING DATE: 10/12/2000 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09692742 FILING DATE: 10/18/2000 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09711379 FILING DATE: 11/09/2000 PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09739932 FILING DATE: 12/18/2000 PATENT NUMBER: 6388593 ISSUE DATE: 05/14/2002

SERIAL NUMBER: 09745854 FILING DATE: 12/22/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09746565 FILING DATE: 12/21/2000

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09761218 FILING DATE: 01/16/2001

, PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09761868 FILING DATE: 01/16/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09773400 FILING DATE: 01/31/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09778151 FILING DATE: 01/31/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09792292 FILING DATE: 02/22/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09792634 FILING DATE: 02/23/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09816482 FILING DATE: 03/23/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09847894 FILING DATE: 05/02/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09858748 FILING DATE: 05/16/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09859224 FILING DATE: 05/15/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09860031 FILING DATE: 05/16/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09867846 FILING DATE: 05/29/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09876848 FILING DATE: 06/05/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09901280 FILING DATE: 07/09/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09917195 FILING DATE: 07/26/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09922507 FILING DATE: 08/03/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09975324 FILING DATE: 10/10/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09976843 FILING DATE: 10/12/2001 PATENT NUMBER: ISSUE DATE: SERIAL NUMBER: 09990884 FILING DATE: 11/21/2001 · PATENT NUMBER: ISSUE DATE:

# 012745/0385 PAGE 6 SERIAL NUMBER: 10000660

SERIAL NUMBER: PATENT NUMBER:	10000660	FILING DATE: 10/30/2001 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:	10003662	FILING DATE: 10/18/2001 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:	10003821	FILING DATE: 10/31/2001 ISSUE DATE:
	10010685	
	10034091	
SERIAL NUMBER: PATENT NUMBER:	10038546	FILING DATE: 10/24/2001 ISSUE DATE:
	10040058	
SERIAL NUMBER: PATENT NUMBER:	10041781	FILING DATE: 10/18/2001 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:	10053110	FILING DATE: 10/26/2001 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:	10061938	FILING DATE: 10/25/2001 ISSUE DATE:
SERIAL NUMBER: PATENT NUMBER:	08723897 5995163	FILING DATE: 09/30/1996 ISSUE DATE: 11/30/1999
SERIAL NUMBER: PATENT NUMBER:	08944794 6005619	
SERIAL NUMBER: PATENT NUMBER:	09038635 6043690	FILING DATE: 03/10/1998 ISSUE DATE: 03/28/2000
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 03/11/1998 ISSUE DATE: 07/11/2000
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 06/08/1998 ISSUE DATE: 10/24/2000
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 09/25/1998 ISSUE DATE: 09/25/2001
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 10/08/1998 ISSUE DATE: 07/03/2001
SERIAL NUMBER: PATENT NUMBER:		FILING DATE: 10/13/1998 ISSUE DATE: 04/10/2001

SERIAL NUMBER: 09173982 FILING DATE: 10/16/1998 PATENT NUMBER: 6147519 ISSUE DATE: 11/14/2000 SERIAL NUMBER: 09191201 FILING DATE: 11/12/1998 PATENT NUMBER: 6191714 ISSUE DATE: 02/20/2001 SERIAL NUMBER: 09215571 FILING DATE: 12/16/1998 PATENT NUMBER: 6049247 ISSUE DATE: 04/11/2000 SERIAL NUMBER: 09246013 FILING DATE: 02/04/1999 PATENT NUMBER: 6222172 ISSUE DATE: 04/24/2001 SERIAL NUMBER: 09265133 FILING DATE: 03/08/1999 PATENT NUMBER: 6222175 ISSUE DATE: 04/24/2001 SERIAL NUMBER: 09265936 FILING DATE: 03/10/1999 PATENT NUMBER: 6194696 ISSUE DATE: 02/27/2001 SERIAL NUMBER: 09270298 FILING DATE: 03/15/1999 ISSUE DATE: 03/20/2001 PATENT NUMBER: 6204792 SERIAL NUMBER: 09277617 FILING DATE: 03/26/1999 PATENT NUMBER: 6166367 ISSUE DATE: 12/26/2000 SERIAL NUMBER: 09283659 FILING DATE: 04/01/1999 PATENT NUMBER: 6184721 ISSUE DATE: 02/06/2001 SERIAL NUMBER: 09304526 FILING DATE: 05/04/1999 PATENT NUMBER: 6211804 ISSUE DATE: 04/03/2001 SERIAL NUMBER: 09316701 FILING DATE: 05/21/1999 ISSUE DATE: 08/01/2000 PATENT NUMBER: 6097545 SERIAL NUMBER: 09357605 FILING DATE: 07/20/1999 PATENT NUMBER: 6229134 ISSUE DATE: 05/08/2001 SERIAL NUMBER: 09378565 FILING DATE: 08/19/1999

ISSUE DATE: 05/29/2001

JEFFREY OLSEN, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

PATENT NUMBER: 6239456

04-11-2002

RECC

102050543

T

Commissioner for Patents: Please record the attached original document(s) or copy(ies). 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): **Photobit Corporation** Micron Technology, Inc. 135 North Los Robles Avenue, 7th Floor 8000 S. Federal Wav Pasadena, California 91101 Boise ID 83706-9632 Additional name(s) attached? ☐ Yes 图 No 3. Nature of conveyance: Assignment <u>`</u>O □ Merger □ Security Agreement □ Change of Name Other: Execution Date: November 21, 2001 Additional names/addresses attached? ☐ Yes ☑ No 4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: B: Patent No(s).: SEE SCHEDULE A ATTACHED SEE SCHEDULE B ATTACHED Additional numbers attached? ☐ Yes 図 No. 5. Name/address of party to whom correspondence concerning 6. Total number of applications/patents involved: 107 document should be mailed: PTO CUSTOMER NO 20985 7. Total fee (37 CFR §3.41): \$4280 ☑ Enclosed SCOTT C. HARRIS ☐ Authorized to charge Deposit Account. Fish & Richardson P.C. 8. Deposit Account No.: 06-1050 4350 La Jolla Village Drive, Suite 500 Please apply any additional charges, or any credits, to our San Diego, California 92122 Deposit Account No. 06-1050. DO NOT USE THIS SPACE 9. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Scott C. Harris Reg. No. 32,030 Name of Person Signing Total number of pages including coversheet, attachments and document: 13 10172508.doc 00000243 09025079

10/2002 TBIAZ1

FC:581

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

Jeré Hallisan

Typed Name of Person Signing Certificate

# SCHEDULE A

Docket No.	Filing Date	Serial No.
08305/017001	2/17/1998	09/025,079
08305/004001	2/26/1998	09/031,145
08305/023001	3/11/1998	09/038,888
08305/036001	4/23/1998	09/066,506
08305/048001	10/29/1998	09/183,389
08305/050001	12/9/1998	09/209,982
08305/015001	12/14/1998	09/211,718
08305/022001	2/16/1999	09/250,623
08305/019001	2/18/1999	09/251,758
08305/020001	2/18/1999	09/252,428
08305/026001	3/8/1999	09/264,501
08305/055001	3/12/1999	09/267,503
08305/029001	3/23/1999	09/274,739
08305/031001	3/30/1999	09/281,358
08305/032001	3/30/1999	09/281,361
08305/030001	3/30/1999	09/281,765
08305/035001	4/23/1999	09/298,306
08305/034001	4/23/1999	09/299,066
08305/060001	7/15/1999	09/354,930
08305/038001	7/21/1999	09/359,056
08305/042001	7/21/1999	09/359,065
08305/037001	7/21/1999	09/359,068
08305/039001	7/22/1999	09/360,294
08305/043001	9/16/1999	09/397,381
08305/051001	10/14/1999	09/418,961
08305/044001	10/29/1999	09/429,882
08305/053001	10/29/1999	09/430,625
08305/052001	10/29/1999	09/430,734
08305/054001	11/18/1999	09/442,871
08305/056001	11/24/1999	09/449,194
08305/057001	12/13/1999	09/459,720
08305/062001	12/22/1999	09/470,284
08305/063001	1/14/2000	09/483,362
08305/064001	2/16/2000	09/505,645
08305/065001	2/18/2000	09/507,565
08305/066001	3/1/2000	09/516,433
08305/069001	3/7/2000	09/519,930
08305/068001	3/9/2000	09/522,286
08305/067001	3/9/2000	09/522,287
08305/059001	3/10/2000	09/523,127
08305/070001	3/17/2000	09/527,422
08305/079001	3/29/2000	09/538,043
08305/072001	4/18/2000	09/550,816
08305/071001	4/20/2000	09/553,980
08305/081001	6/8/2000	09/590,785
08305/073001	6/15/2000	09/595,592
08305/074001	6/15/2000	09/596,757
08305/076001	8/24/2000	09/648,403
08305/078001	8/31/2000	09/653,527
13000,010001	J. J 2000	

08305/093001	5/15/2001	09/681,639
08305/107001	11/27/2001	09/683,156
08305/075001	10/12/2000	09/687,266
08305/096001	10/18/2000	09/692,742
08305/047002	11/9/2000	09/711,379
08305/010002	12/18/2000	09/739,932
08305/082001	12/22/2000	09/745,854
08305/080001	12/21/2000	09/746,565
08305/099001	1/16/2001	09/761,218
08305/098001	1/16/2001	09/761,868
08305/083001	1/31/2001	09 <i>/</i> 773,400
08305/085001	1/31/2001	09/778,151
08305/086001	2/22/2001	09/792,292
08305/087001	2/23/2001	09/792,634
08305/040002	3/23/2001	09/816,482
08305/049002	5/2/2001	09/847,894
08305/097001	5/16/2001	09/858,748
08305/092001	5/15/2001	09/859,224
08305/095001	5/16/2001	09/860,031
08305/045002	5/29/2001	09/867,846
08305/114001	6/5/2001	09/876,848
08305/116001	7/9/2001	09/901,280
08305/100001	7/26/2001	09/917,195
08305/101001	8/3/2001	09/922,507
08305/115001	10/10/2001	09/975,324
08305/120001	10/12/2001	09/976,843
08305/084001	11/21/2001	09/990,884
08305/111001	10/30/2001	10/000,660
08305/127001	10/18/2001	10/003,662
08305/110001	10/31/2001	10/003,821
08305/108001	11/8/2001	10/010,685
08305/079002	12/27/2001	10/034,091
08305/118001	10/24/2001	10/038,546
08305/087002	10/26/2001	10/040,058
08305/102001	10/18/2001	10/041,781
08305/109001	10/26/2001	10/053,110
08305/106001	10/25/2001	10/061,938

## SCHEDULE B

	•			
Docket No.	Filing Date	Serial No.	Issue Date	Patent No.
08305/003001	9/30/1996	08/723,897	11/30/1999	5,995,163
08305/014001	10/6/1997	08/944,794	12/21/1999	6,005,619
08305/021001	3/10/1998	09/038,635	3/28/2000	6,043,690
08305/008001	3/11/1998	09/038,887	7/11/2000	6,087,970
08305/016001	6/8/1998	09/093,968	10/24/2000	6,137,100
08305/047001	9/25/1998	09/161,355	9/25/2001	6,295,013
08305/011001	10/8/1998	09/169,020	7/3/2001	6,255,970
08305/010001	10/13/1998	09/170,944	4/10/2001	6,215,428
08305/012001	10/16/1998	09/173,982	11/14/2000	6,147,519
08305/009001	11/12/1998	09/191,201	2/20/2001	6,191,714
08305/013001	12/16/1998	09/215,571	4/11/2000	6,049,247
08305/018001	2/4/1999	09/246,013	4/24/2001	6,222,172
08305/024001	3/10/1998	09/265,133	4/24/2001	6,222,175
08305/025001	3/10/1999	09/265,936	2/27/2001	6,194,696
08305/061001	3/15/1999	09/270,298	3/20/2001	6,204,792
08305/028001	3/26/1999	09/277,617	12/26/2000	6,166,367
08305/033001	4/1/1999	09/283,659	2/6/2001	6,184,721
08305/040001	5/4/1999	09/304,526	4/3/2001	6,211,804
08305/041001	5/21/1999	09/316,701	8/1/2000	6,097,545
08305/049001	7/20/1999	09/357,605	5/8/2001	6,229,134
08305/045001	8/19/1999	09/378,565	5/29/2001	6,239,456

#### ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS (this "Assignment of Patents"), dated as of November 21, 2001, is entered into by and among Micron Technology, Inc., a Delaware corporation ("Buyer"), Photobit Corporation, a Delaware corporation ("Parent"; Parent is sometimes referred to herein as a "Seller") and Photobit Technology Corporation, a Delaware corporation and a wholly owned subsidiary of Seller ("Subsidiary"; Parent and Subsidiary are sometimes referred to herein as a "Seller" and sometimes collectively as the "Sellers").

This Assignment of Patents is entered into pursuant to Section 6.23 of the Asset Purchase Agreement dated as of November 21, 2001, (the "Asset Purchase Agreement;" capitalized terms used herein but not otherwise defined herein shall have the same meanings assigned to them in the Asset Purchase Agreement), by and among Parent, Subsidiary, Buyer, Dr. Sabrina Kemeny, Dr. Eric Fossum, Robert Panicacci and the Seller Representative.

Pursuant to the Asset Purchase Agreement, Sellers agreed, among other things, to transfer to Buyer all of Sellers' right, title and interest in and to the Acquired Assets, in exchange for the payment by Buyer of the Purchase Price and the assumption by Buyer of the Assumed Liabilities, in each case on the terms and subject to the conditions provided in the Asset Purchase Agreement.

- Assignment of Patents by Sellers. Sellers hereby irrevocably and formally grant, bargain, sell, transfer, convey, assign and deliver to Buyer all right, title and interest in and to the patents, patent applications and provisional applications owned by each Seller throughout the world, together with any and all rights of such Seller associated with inventions claimed therein and/or with the applications and patents, whether or not such patents are registered with the United States Patent and Trademark Office or other comparable governmental authority of any foreign jurisdiction (including, without limitation, those patents and applications set forth on Exhibit A hereto) (the "Assigned Patents"), free and clear of all encumbrances, together with all causes of action and other rights to sue for and remedies against past, present and future infringements of any of the foregoing, together with the right to collect damages therefore, and rights of priority and protection of interests therein under the laws of any jurisdiction worldwide and all tangible embodiments thereof, to have and to hold the same unto Buyer, its successors and assigns, for and during the existence of such rights and all renewals thereof.
- 2. <u>Further Assurances</u>. Each Seller hereby covenants and agrees that from time to time and at the expense of such Seller and without further consideration, upon request of Buyer, each Seller shall and shall cause each of its affiliates to execute and deliver such instruments and documents, and take such further actions, as Buyer reasonably may request in order to sell, convey, transfer and assign to Buyer, or to record Buyer's interest in or title to, any of the Assigned Patents.
- 3. <u>Power of Attorney</u>. Each Seller hereby constitutes and appoints Buyer as such Seller's true and lawful attorney in fact, with full power of substitution in such Seller's name and

stead, to take any and all steps, including proceedings at law, in equity or otherwise, to execute, acknowledge and deliver any and all instruments and assurances necessary or expedient in order to vest or perfect the aforesaid rights and causes of action more effectively in Buyer or to protect the same or to enforce any claim or right of any kind with respect thereto. Each Seller hereby declares that the foregoing power is coupled with an interest and as such is irrevocable.

- 4. <u>Successors and Assigns</u>. This Assignment of Patents shall be enforceable against the successors and assigns of Sellers and shall inure to the benefit of the successors and assigns of Buyer.
- 5. Governing Law. This Assignment of Patents shall be governed by and construed in accordance with the laws of the United States, in respect to patent issues and in all other respects, including as to validity, interpretation and effect, by the internal laws of the State of California, without giving effect to the conflict of laws rules thereof.

IN WITNESS WHEREOF, this Assignment of Patents has been duly executed and delivered as of the date first written above.

MICRON TECHNOLOGY, INC.
By: 2 S. Sarah
Printed Name: W.G. StovER, JR
Title: Vice PRESIDENT OF FINANCE AND C.F.O.
PUOTORIT CORROR ATION
PHOTOBIT CORPORATION
Ву:
Printed Name:
Title:
•
PHOTOBIT TECHNOLOGY CORPORATION
Ву:
Printed Name:
Title:

IN WITNESS WHEREOF, this Assignment of Patents has been duly executed and delivered as of the date first written above.

MICRON TECHNOLOGY, INC.
Ву:
Printed Name:
Title:
ny omonym gónnon i mioví
PHOTOBIT CORPORATION
By: See 9Cy
Printed Name: SABRINA KEMENIJ
Title:
•
PHOTOBIT TECHNOLOGY CORPORATION
By: Seling
Printed Name: SABRINA KEMENT
Title: EXECUTIVE V. P.

### <u>ACKNOWLEDGMENT - PHOTOBIT CORPORATION</u>

STATE OF CALIFORNIA	)
	) SS
COUNTY OF SAN FRANCISCO	)

I, <u>Teresa Solis</u>, a Notary Public in and for said County, in the State aforesaid, DO HEREBY CERTIFY that <u>Sabrina Kemeny</u>, appeared before me this day in person, and acknowledged that she executed and delivered the Instrument of Assignment of Patents above as her free and voluntary act and in her representative capacity for Photobit Corporation, a Delaware corporation, acting in its representative capacity as the Chairman and CEO of Photobit Corporation., a Delaware corporation, for the uses and purposes herein set forth.

IN WITNESS WHEREOF, I have hereunto my hand and notarial seal this 21<sup>st</sup> day of November 2001.

TERESA SOLIS
COMM. # 1237290
NOTARY PUBLIC-CALIFORNIA D
City & County of San Francisco ()
COMM. EXP. OCT. 22, 2003

Notary Publ

My Commission Expires: October 22, 2003

#### ACKNOWLEDGMENT- PHOTOBIT TECHNOLOGY CORPORATION

STATE OF CALIFORNIA	)
	) SS:
COUNTY OF SAN FRANCISCO	)

I, <u>Teresa Solis</u>, a Notary Public in and for said County, in the State aforesaid, DO HEREBY CERTIFY that <u>Sabrina Kemeny</u>, appeared before me this day in person, and acknowledged that she executed and delivered the Instrument of Assignment of Patents above as her free and voluntary act and in her representative capacity for Photobit Technology Corporation, a Delaware corporation, acting in their representative capacity as the Chairman and CEO of Photobit Technology Corporation, a Delaware corporation, for the uses and purposes herein set forth.

IN WITNESS WHEREOF, I have hereunto my hand and notarial seal this 21<sup>st</sup> day of November 2001.

TERESA SOLIS
COMM. # 1237290
COMM. # 1237290
City & County of San Francisco (COMM. EXP. OCT. 22, 2003

Notary Public

My Commission Expires: October 22, 2003

## **EXHIBIT A**

	Photobit Patent or Provisional Application Title	Description/Comments	PB NTR#
	PATENTS ISSUED		
1	Median Filter With Embedded Analog to Digital Converter	Patent #5,995,163	9601
2	Low-Voltage Common Source Switched-Capacitor Amplifier	Patent #6,049,247	9702
3	Quantum Efficiency Improvements in Active Pixel Sensors	Patent #6,005,619	9704
4	Bidirectional Follower for Driving a Capacitive Load	Patent #6,043,690	9719
5	Analog-to-Digital Conversion	Patent #6,087,970	9603
6	Low-Voltage Comparator with Wide Input Voltage Swing	Patent #6,147,519	9703
7	Programmable Analog Arithmetic Circuit for Imaging Sensor	Patent #6,166,367	9706
8	Correction of Missing Codes Nonlinearity in A to D Converters	Patent #6,255,970	9708
9	Charge-Domain Analog Readout for an Image Sensor	Patent #6,222,175	9712
10	A/D Converter Correction Scheme	Patent #6,191,714	9713
11	Active Pixel Sensor With Current Mode Readout	Patent #8,194,696	9714
12	Differential Non-Linearity Correction Scheme	Patent #8,215,428	9716
13	CMOS Image Sensor with Different Pixel Sizes for Different Colors	Patent #6,137,100	9718
14	Pulse-Controlled Light Emitting Diode Source	Patent #6,222,172	9801
15	CMOS Voltage Comparator Capable of Operating With Small Input Voltage Difference	Patent #6,184,721	9809
16	Using Single Lookup Table To Correct Differential Non-Linearity Errors In An Array Of A/D Converters	Patent #8,211,804	9813
17	Concentric Lens with Aspheric Correction	Patent #6,097,545	9816
18	Using Cascaded Gain Stages for High-Gain and High-Speed Readout of Pixel Sensor Data	Patent #6,229,134	9817
19	Lock-In Pinned Photodiode Photo-detector	Patent #6,239,456	9822
20	Ping-Pong Readout	Patent #6,204,792	9828
21	Nonlinear Flash Analog To Digital Converter Used In Active Pixel System	Patent #6,295,013	9818 9819
	PHOTOBIT/GENTEX JOINTLY OWNED IP		
1	Wide Dynamic Range Optical Sensor	Patent #6,008,486	
2	Vehicle Vision System	Patent Application Serial No. 09/001,855	
	PATENT APPLICATIONS		
1	Dead Pixel Correction by Row/Column Substitution	Patent Application Serial No. 09/031,145	9602
2	Color Interpolation	Patent Application Serial No. 09/028,961	9604
3	Double Comparison Successive Approximation Method and Apparatus	Patent Application Serial No. 09/360,294	9701
4	Digital Exposure Circuit For An Image Sensor	Patent Application Serial No. 09/298,306	9705
5	Method and Circuit for Fast and Accurate Adjustment of Integration Time for CMOS APS Cameras	Patent Application Serial No. 09/281,765	9707
6	Smart Column Controls for High Speed Multi-Resolution Sensors	Patent Application Serial No. 09/251,758	9709
7	Increasing Readout Speed in CMOS APS Sensors through Block Readout	Patent Application Serial No. 09/274,739	9710
8	Active Pixel Color Linear Sensor With Line-Packed Pixel Readout	Patent Application Serial No. 09/252,428	9711
9	Three Sided Buttable CMOS Image Chip	Patent Application Serial No. 09/211,718	9715

			•
		December 15 comments	1
	Photobit Patent or Provisional Application Title	Description/Comments	PB NTR
10	Photodiode-Type Pixel For Global Electronic Shutter And Reduced Lag	Patent Application Serial No. 09/025,079	9717
11	Wide Dynamic Range Fusion Using External Memory Look-Up	Patent Application Serial No. 09/299,066	9720
12	Active Pixel Sensor With Mixed Analog and Digital Signal Integration	Patent Application	9721
13	Look Ahead Shutter Pointer Allowing Real Time Exposure Control	Serial No. 09/183,389 Patent Application	9802
14	Readout Circuit With Gain and Analog-to-Digital Conversion For Image Sensor	Serial No. 09/038.888	
	Regulation Circuit With Sain and Analog-to-Orginal Conversion For thage Sensor	Patent Application Serial No. 09/264,501	9803
15	Using A Single Control Line To Provide Select And Reset Signals In Two Rows Of A Digital Imaging Device	Patent Application Serial No. 09/250,623	9804
16	High Resolution CMOS Circuit Using a Matched Impedance Output Transmission Line	Patent Application Serial No. 09/359,056	9806
17	Reducing Internal Bus Speed in a Bus System Without Reducing Readout Rate	Patent Application Serial No. 09/359,068	9807
18	RAM Line Storage for Fixed Pattern Noise Correction	Patent Application Serial No. 09/066,506	9808
19	Latched Row Logic for a Rolling Exposure Snap	Patent Application Serial No. 09/261,361	9810 9812
20	Analog To Digital Converter with Internal Data Storage	Patent Application	9811
21	Low Light Sensor Signal to Noise Improvement	Serial No. 09/281,358 Patent Application	9814
22	Nonlinear Flash Analog to Digital Converter Used in Active Pixel System	Serial No. 09/359,065 Patent Application	9818
23	Oversampled Centroid A to D Converter	Senal No. 09/161,355	9819
		Patent Application Serial No. 09/430,625	9820
24	Over Sampled CMOS Image Sensor	Patent Application Serial No. 09/429,776	9821
25	Pinned Floating Photoreceptor With Active Pixel Sensor	Patent Application Serial No. 09/397,381	9823
26	Oversampled CMOS Image Sensor	Patent Application Serial No. 09/430,734	9824
27	Optical Range Finder	Patent Application	9825
28	Color Correction of Multiple Colors Using A Calibrated Technique	Serial No. 09/429,882 Patent Application	9826
29	Micro Power Micro-Sized CMOS Active Pixel	Serial No. 09/209,982 Patent Application	9827
30	ALow Power Signal Chain for Image Sensors CMOS APS	Serial No. 09/418,961 Patent Application	9829
		Serial No. 09/590,785	
31	Matched Color CMOS Sensor	Patent Application Serial No. 09/267,503	9831
32	Clear Plastic Packaging in a CMOS Active Pixel Image	Patent Application Serial No.	9832
33	Semiconductor Imaging Sensor Array Devices With Dual-Port Digital Readout for CMOS	09/442,871 Patent	9833
33	Image Sensor	Application Serial No.	<b>8033</b>
34	High-Speed Sampling Of Signals In Active Pixel Sensors	09/449,194 Patent	9834
		Application Serial No.	
35	Multi-Chip Addressing For The I*C Bus	09/527,422 Patent	9835
		Application Serial No. 09/459,720	
36	Circuits larger than the max. Reticle size in deep sub micron process	Patent	9836
		Application Serial No. 09/523,127	
37	Compensation for Optical Distortion at Imaging Plane	Patent Application	9837

	Photobit Patent or Provisional Application Title	Description/Comments	PB NTR #
38	Contoured Surface of Image Plane Array Cover Plate	Patent Application Serial No. 09/470,284	9839
39	Backside Illumination of CMOS Image Sensor	Patent Application Serial No. 09/483,362	9901
40	A Technique For Flagging Oversaturated Pixels	Patent Application Serial No. 09/505,645	9902
41	Diagonalized Image Sensor Pixels For Improved Effective Performance	Patent Application Serial No. 09/507,565	9903
42	Active Pixel Sensor With Fully-Depleted Buried Photoreceptor	Patent Application Serial No. 09/516,433	9904
43	An Analog Solution for Oversaturated Pixel Problem	Patent Application Serial No. 09/522,287	9905
44	Superposed Multi-Junction Color APS	Patent Application Serial No. 09/522,286	9906
45	Multi Junction APS with Dual Simultaneous Integration	Patent Application Serial No. 09/519,930	9907
46	A Novel Idea for a New Readout Structure of APS	Patent Application Serial No. 09/595,592	9908 9909 9910
47	Increasing Pixel Conversion Gain In CMOS Image Sensors	Patent Application Serial No. 09/553,980	9912
48	Dual Sensitivity Image Sensor	Patent Application Serial No. 09/596,757	9915
49	Layout Technique For Semiconductor Processing Using Stitching	Patent Application Serial No. 09/687,268	9916 9917
50	Active Pixel Sensor with Reduced Fixed Pattern Noise	Patent Application Serial No. 09/550,816	9918
51	Low Voltage Analog-To-Digital Converters With Internal Reference Voltage and Offset	Patent Application Serial No. 09/538,043	9922
52	Techniques to Increase Signal Dynamic Range in CMOS APS	Patent Application Serial No. 09/653,527	9923
53	Low Power Analog-To-Digital Conversion	Patent Application Serial No. 09/528,310	9926
54	Calibration Circuit for Successive Approximation ADC.	Patent Application Serial No. 09/746,565	9927
55	P-Type Reset/Readout Circuitry for Radiation Hard APS	Patent Application Serial No. 09/648,403	9929
56	Novel Lenses Using Coherent Optical Fiber Bundles	Patent Application Serial No. 09/745,854	9931
57	Dynamic Histogram Equalifization for High Dynamic Range Images	Patent Application Serial No. 09/778,151	9933
58	Compact Realization of 2-Reset Pointer Rolling Shutter in CMOS Sensor	Patent Application Serial No: 09/776,400	9935
59	Testing Of Solid-State Image Sensors	Patent Application Serial No. 09/892,742	9941
60	Adjustable Color-Plane-Pixel Integration Times for Asynchronous Pixel Saturation Avoidance	Patent Application Serial No. 09/761,868	9943
61	Improved Method for Flushed Reset	Patent Application Serial No. 09/858,748	9944
62	A New Frame-Shutter Pixel Structure with an Isolated Storage Node	Patent Application Serial No. 09/792,634	9945
63	Frame-Shuttering Scheme For Increased Frame Rate	Patent Application Serial No. 09/792,292	9946
64	Shared Photodetector Active Pixel	Patent Application Serial No. 09/881,839	9948
65	An Optimal Layout Technique for Row/Column Decoders to Reduce Number of Blocks	Patent Application Serial No. 09/860,031	9950
68	Microlenses With Spacking Elements To Increase An Effective Use of Substrate	Patent Application Serial No. 09/859,224	2004 2006
67	Pixel Optimization for Color	Patent Application Serial No. 09/922,507	2009

. -

	Photobit Patent or Provisional Application Title	Description/Comments	PB NTR #
68	Image Sensing System With Histogram Modification	Patent Application Serial No. 09/761,218	2012
69	Image Sensor Having Boostted Reset	Patent Application	2014
		Serial No. 09/917,195	2015
70	A High-Speed Analog-To-Digital Converter Using Multiple Staggered Successive Approximation Cells	Provisional Patent Application Social No. 50/242 224	2016
71	White Spot Reduction For CMOS Imaging	Serial No. 60/243,324 Provisional Patent	2017
•	White Spot Nessead For Chico anaging	Application Serial No. 60/243,328	] 2017
72	New Architecture For High-Speed ADC Using Multiple Successive Approximation Cells	Provisional Patent	2019
-	•	Application Serial No. 60/253,430	
73	CMOS Sensor With Dual Column Parallel Analog-To-Digital Converters	Provisional Patent	2020
	<u>.</u>	Application Serial No. 60/313,117	
74	Reference Voltage Circuit For Differential Analog-To-digital Converter (ADC)	Provisional Patent	2021
		Application Serial No. 60/247,401	
75	Pseudo Random Assignment To Remove FPN Of High-Speed ADC Using Multiple	Provisional Patent	2022
	Successive Approximation Cells	Application	
	Francisco Control Postero	Serial No. 60/306,753	2524
76	Frame-Scale Package	Provisional Patent Application	2024
	·	Serial No. 60/245,085	
77	Black-Level Compensation With On-Chip successive Approximation ADC	Provisional Patent	2025
		Application	,
		Serial No. 60/244,412	
78	An Improved Frame Shutter For CMOS APS	Provisional Patent Application Serial No. 60/243,899	2026
79	Wide Dynamic Range Operation For CMOS Sensor With Freeze-Frame Shutter	Provisional Patent	2027
	Wile Dynamic Range Operation For GMOS Sensor Will Freezes rame Singles	Application Serial No. 60/243,898	2027
ВО	Freeze-Frame Shutter Imager With Increased Dynamic Range	Provisional Patent Application Serial No. 60/242,215	2028
81	Power Optimization For Class A Amplifier With Variable Signal Gain By matching Of Unity Gain Bandwidth To the Demanded Gain	Provisional Patent Application Serial No. 60/285,431	2029
82	Dynamic Range Extension In Color CMOS Active Pixel Sensors	Provisional Patent Application Serial No. 60/259,352	2030
83	Reducing Power Consumption And Noise In CMOS APS Sensor Through Block Read-Out	Patent Application Serial No. 09/901,280	2031
84	Reducing KTC Noise In 3T and 5T CMOS APS	Provisional Patent Application Serial No. 60/281,603	2102
85	Reference Voltage Stabilization In CMOS Sensors	Patent Application Filed 10/12/01 Serial No. pending	2109
86	Low Power Differential Charge Mode Readout Circuit, Pipelined Gain Stage, And Pipelined ADC For CMOS Active Pixel Sensors	Provisional Patent Application Serial No. 60/280,589	2110
87	A New Row Driver Circuit For CMOS APS Using Shared Row-Reset Pixels And Charge Pump Boosting Circuit	Patent Application Serial No. 09/878,848	2111
88	Temperature Sensor Using The Image Read-Out Signal Chain Of An Active Pixel Image Sensor Having Double Sampling Of A Pixel Reset Voltage And A Pixel Image Voltage Level	Provisional Patent Application Serial No. 60/306,718	2112
89	Method For Optimizing Microlens/CFA/Pixel Cooperative Performance In Image Sensors	Provisional Patent Application Serial No. 60/286,908	2113
90	On-Chip ADC Test for Image Sensors	Provisional Patent Application Serial No. 60/313,122	2115
	Variable Pixel Clock Electronic Shutter Control Algorithm For Corruption-Free Image	Provisional Patent	2118
91	Stream During Pixel Speed Changes	Application Serial No. 60/306,744	

• ••

	Photobit Patent or Provisional Application Title	Description/Comments	PB NTR#
		Serial No. 60/607,514	
93	Flexy-Power Amplifier. A New Amplifier With Built-In Power Management	Provisional Patent - Application Serial No. 60/307,513	2120

•

-

·

Atton: Docket No.: 08305/072001

### **ASSIGNMENT**

For valuable consideration, we. ANDERS ANDERSSON of Pasadena, BARNA of Pasadena, CA, hereby assign to PHOTOBIT CORPORATION, a Delaware corporation having a place of business at: 135 North Los Robles Avenue, 7th Floor, Pasadena, California 91101, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ACTIVE PIXEL SENSOR WITH REDUCED FIXED PATTERN NOISE, filed April 18, 2000, and assigned U.S. Serial Number 09/550,816, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATED: 8/10/00

DATED: 8/10/00

Anders Andersson

Sandor L. Barna

10044578.dac